

U.S. Department of Commerce, Patent and Trademark Office		Atty Docket No.	Serial No.
		LUM-02-10-01	Not yet known
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant(s)	
		Nathan F. Gardner, Jonathan J. Wierer Jr., Gerd O. Mueller, Michael R. Krames	
		Filing Date	Group
		Herewith	Not yet known

## U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
OF	AA	6,486,499 B1	11/26/02	Krames et al.	257	81	
OF	AB	6,526,082 B1	2/25/03	Corzine et al.	372	46	
PF	AC	6,122,103	9/19/00	Perkins et al.	359	486	
OF	AD	6,288,840 B1	9/11/01	Perkins et al.	359	486	
OF	AE	5,376,580	12/27/94	Kish et al.	437	127	
OF	AF	4,169,997	10/2/79	Logan et al.	331	94.5	
OF	AG	5,365,536	11/15/94	Seki	372	45	
OF	AH	5,452,316	9/19/95	Seki et al.	372	46	
	AI						
	AJ						
	AK						

## Foreign Patent Documents

## Translation

		Document	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

OF	AQ	Tetsuya Takeuchi et al., "GaN-Based Light Emitting Diodes with Tunnel Junctions", The Japanese Society of Applied Physics, Jpn. J. Appl. Phys. Vol. 40 (2001) Part 2, No. 8B, 15 August 2001, pp. L861-L863.
OF	AR	Seong-Ran Jeon et al., "Lateral current spreading in GaN-based light-emitting diodes utilizing tunnel contact junctions", Applied Physics Letters, Vol. 78, No. 21, 21 May 2001, pp. 3265-3267.
OF	AS	Xia Guo et al., "Tunnel-regenerated multiple-active-region light-emitting diodes with high efficiency", Applied Physics Letters, Vol. 79, No. 18, 29 October 2001, pp. 2985-2986.

Examiner Da Shan Date Considered 3/6/04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.